



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost	<input checked="" type="checkbox"/>	SLAS		COUNTY: WATAUGA PERMIT NO.: SWC-95-04 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: 8/23/2013

Date of Last Inspection: 8/6/12

FACILITY NAME AND ADDRESS:

Appalachian State University [ASU]
Physical Plant – Dale Street
P.O. Box 32105
Boone, NC 28608-2105

GPS COORDINATES: N: 36.205919 W: -81.655844

FACILITY CONTACT NAME AND PHONE NUMBER:

Eddie Hyle, Landscape Services Superintendent
828-262-3190 x154
hyleea@appstate.edu

FACILITY CONTACT ADDRESS:

Same as facility address.

PARTICIPANTS:

Eddie Hyle, Landscape Services Superintendent - ASU
John Richards, Compost Facility Coordinator - ASU
Tony Gallagher, Composting and Land Application Branch Manager
Deb Aja, NCDENR Solid Waste Section

STATUS OF PERMIT:

A Permit to Operate a Small Type III Compost Facility was issued to Appalachian State University on October 13, 2011. A modification was issued on October 9, 2012, to add a second curing area. The permit shall expire on October 13, 2016.

PURPOSE OF SITE VISIT:

Comprehensive Inspection.

STATUS OF PAST NOTED VIOLATIONS:

N/A

OBSERVED VIOLATIONS:

None.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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ADDITIONAL COMMENTS

1. A site visit was conducted to review operations and to conduct a comprehensive facility inspection.
2. The facility is a Small Type 3 Solid Waste Compost Facility to compost food waste generated on the Appalachian State University campus. Currently pre-consumer food waste is delivered to the facility for composting.
3. The initial composting process utilizes a forced aerated bin system consisting of 4 covered bins located at Dale Street. At the time of the inspection the bins were in use as follows:
 - a. Bin 1 – empty.
 - b. Bin 2 – filled, covered, compost in process.
 - c. Bin 3 – compost ready for curing stage.
 - d. Bin 4 – current working bine, compost process started on 7/25/2013.
4. Cover was placed over food waste in the bins as required.
5. The trenches at the entrance of the bins drain to the leachate tank. The drains were maintained as required. Leachate from the tank is used as the moisture source for the composting process.
6. Once temperatures are reached in the bins, the compost is removed and delivered to a second curing area located off of Bodenheimer Drive. The cure area located at the Dale Street facility is currently utilized to store bulking materials and equipment.
7. The active cure pile was inspected. Currently one bin is in use. There were no identifiable items in the cure pile.
8. Operations and sampling procedures were reviewed and discussed on-site to identify potential causes of high fecal analytical results found in recent samples of the material in the active cure pile. Operations and sampling appear to be conducted in accordance with the permit and operations plan. Further review is needed to determine if system components are functioning as designed. The material in the active cure pile must be reprocessed and sampled prior to distribution as discussed with Tony Gallagher post-inspection.
9. The compost operational areas were operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazards.
10. Odors were not detected in the areas surrounding facility operating areas.
11. There were no flies or other vectors observed. The facility has addressed issues of scavenging since the previous inspection. A sound system was installed over the bins to deter scavenging by birds.
12. Drainage issues were corrected at the retaining wall behind the facility (Dale Street) and directed to a storm drain at the facility entrance.
13. Temperature logs were reviewed on-site. Temperature data collection was conducted as required and the required temperatures were reached. Temperature probes were calibrated by facility staff.
14. A total of 85.46 tons of food waste were received at the facility during the fiscal year 2012-2013.

Please contact me if you have any questions or concerns regarding this inspection report.



Deborah Aja
Environmental Senior Specialist
Regional Representative
deborah.aja@ncdenr.gov

Phone: 828-296-4702
Asheville Regional Office
2090 US Hwy 70
Swannanoa, NC 28778

Sent on: September 4, 2013, to: Eddie Hyle, Appalachian State University by;	X	Email		Hand Delivery		US Mail		Certified Mail.
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EC: Jason Watkins, Western District Supervisor
Tony Gallagher, Composting and Land Application Branch Manager
Elizabeth Patterson, Composting and Land Application Branch
John Richards, Compost Facility Coordinator - ASU